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PATENT 3/13/03
P53821C

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

RICHARD G. HYATT JR.

Serial No.: 08/720,070 Examiner: BARRETT, SUZANNE DINO

Filed: 17 September 1996 Art Unit: 3676

For: ELECTROMECHANICAL CYLINDER PLUG

TRANSMITTAL OF FORMAL DRAWINGS

Commissioner for Patents
Washington, D.C. 20231

Sir:

This transmittal letter is accompanied by the Formal Drawing Figures 1 through 22 for the above-captioned application.

Respectfully submitted,



Robert E. Bushnell,

Attorney for the Applicant
Registration No.: 27,774

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Folio: P53821C
Date: 3/3/03
I.D.: REB/kf

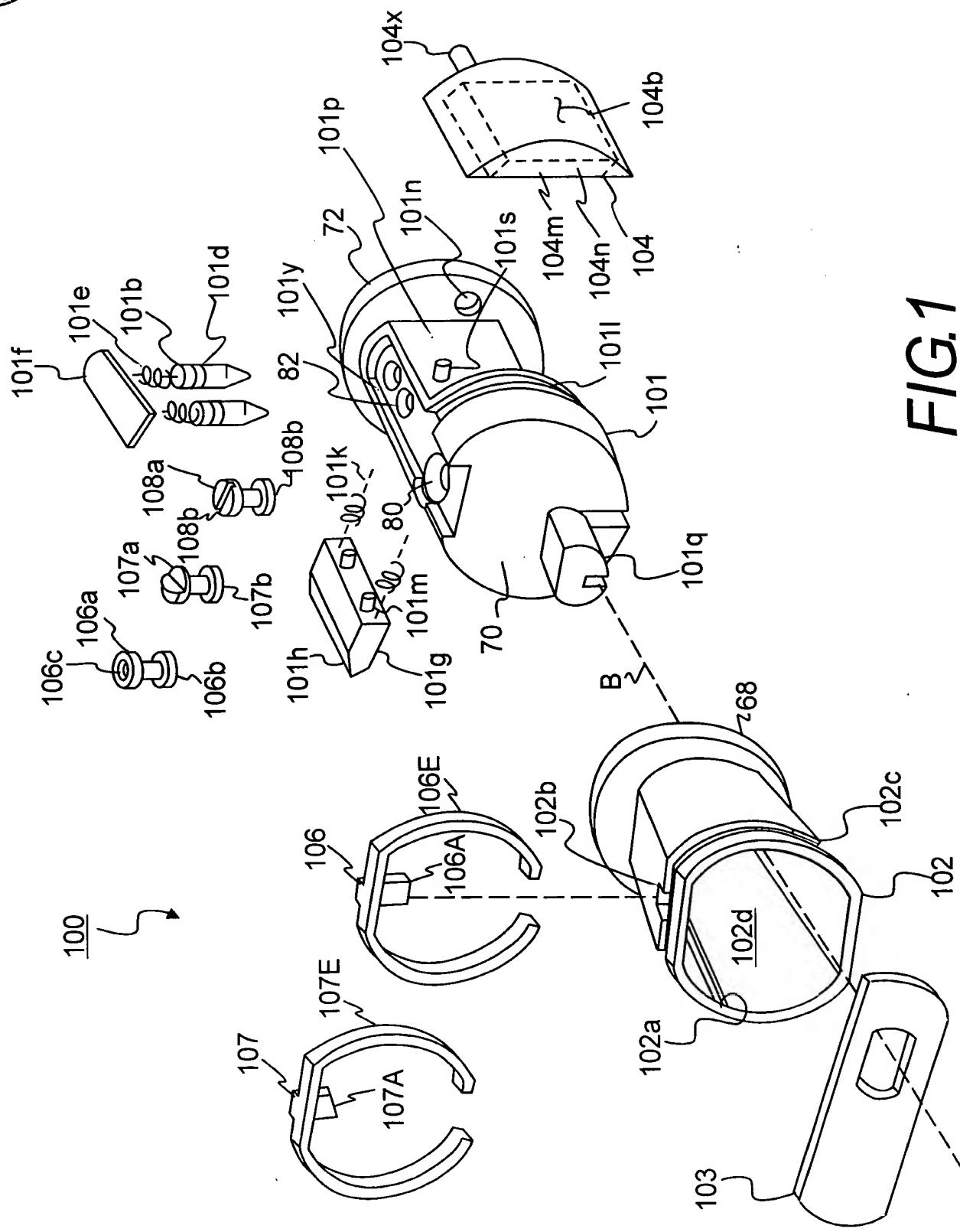
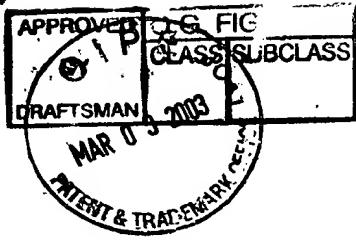


FIG. 1

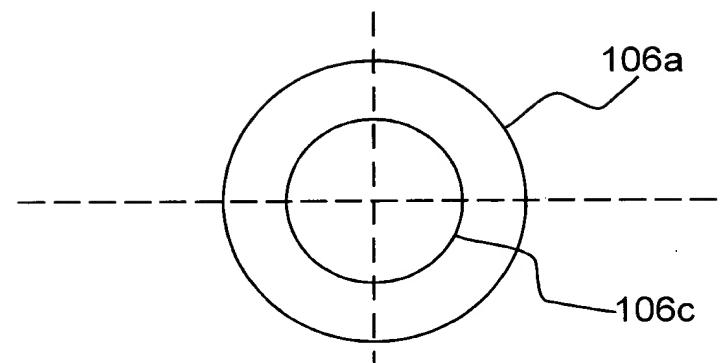
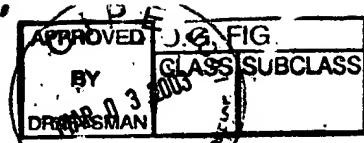


FIG. 2

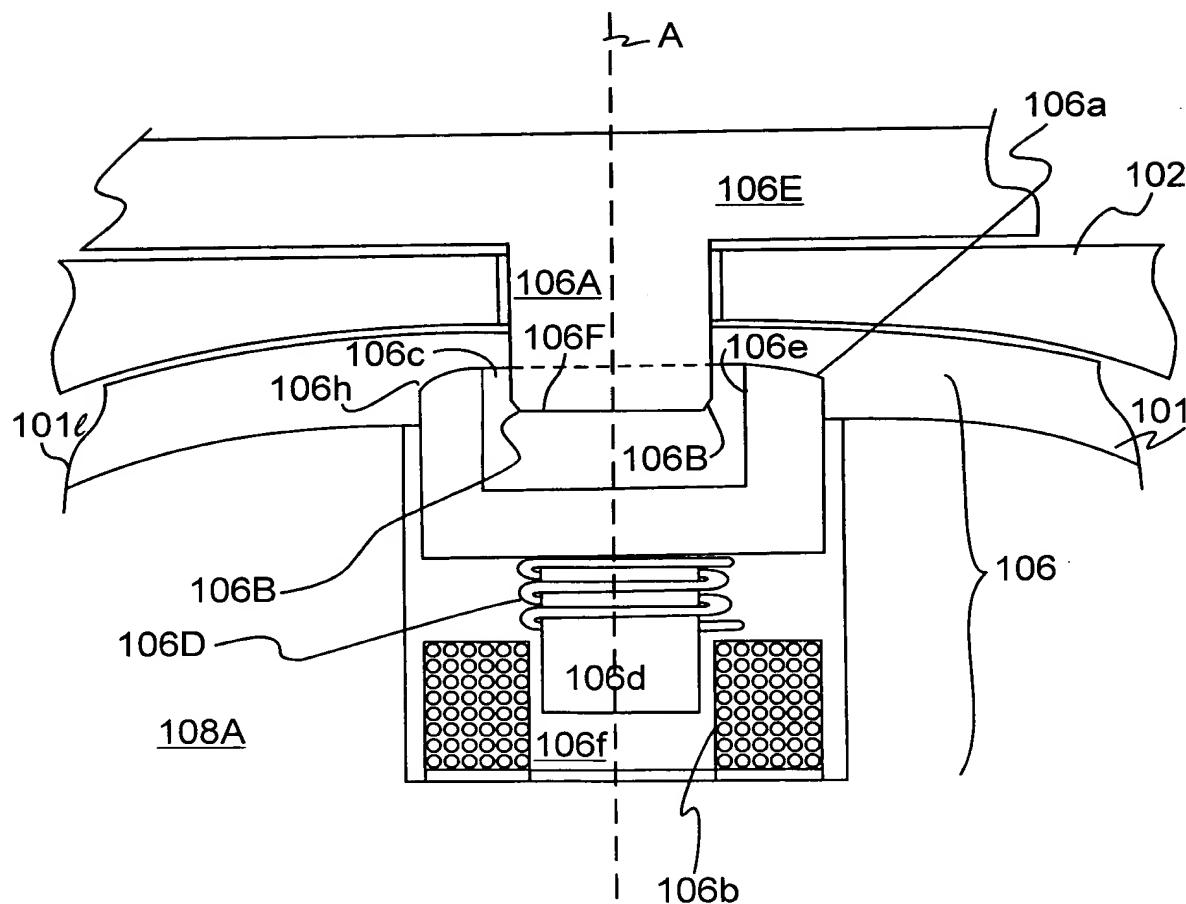


FIG. 3

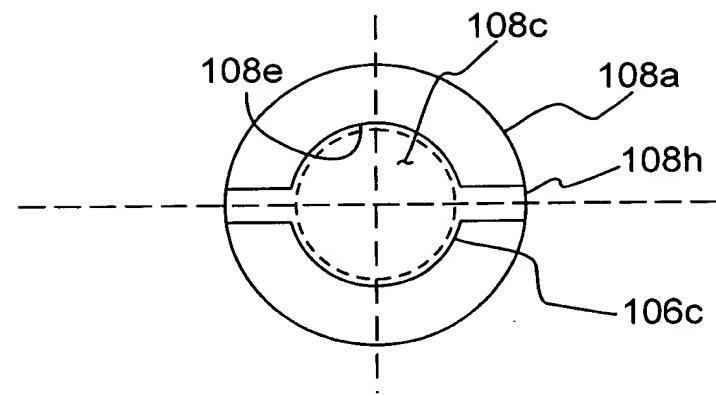
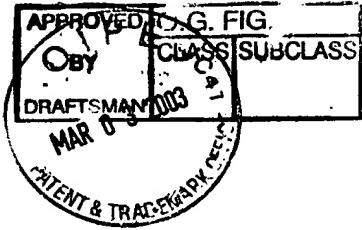


FIG. 4

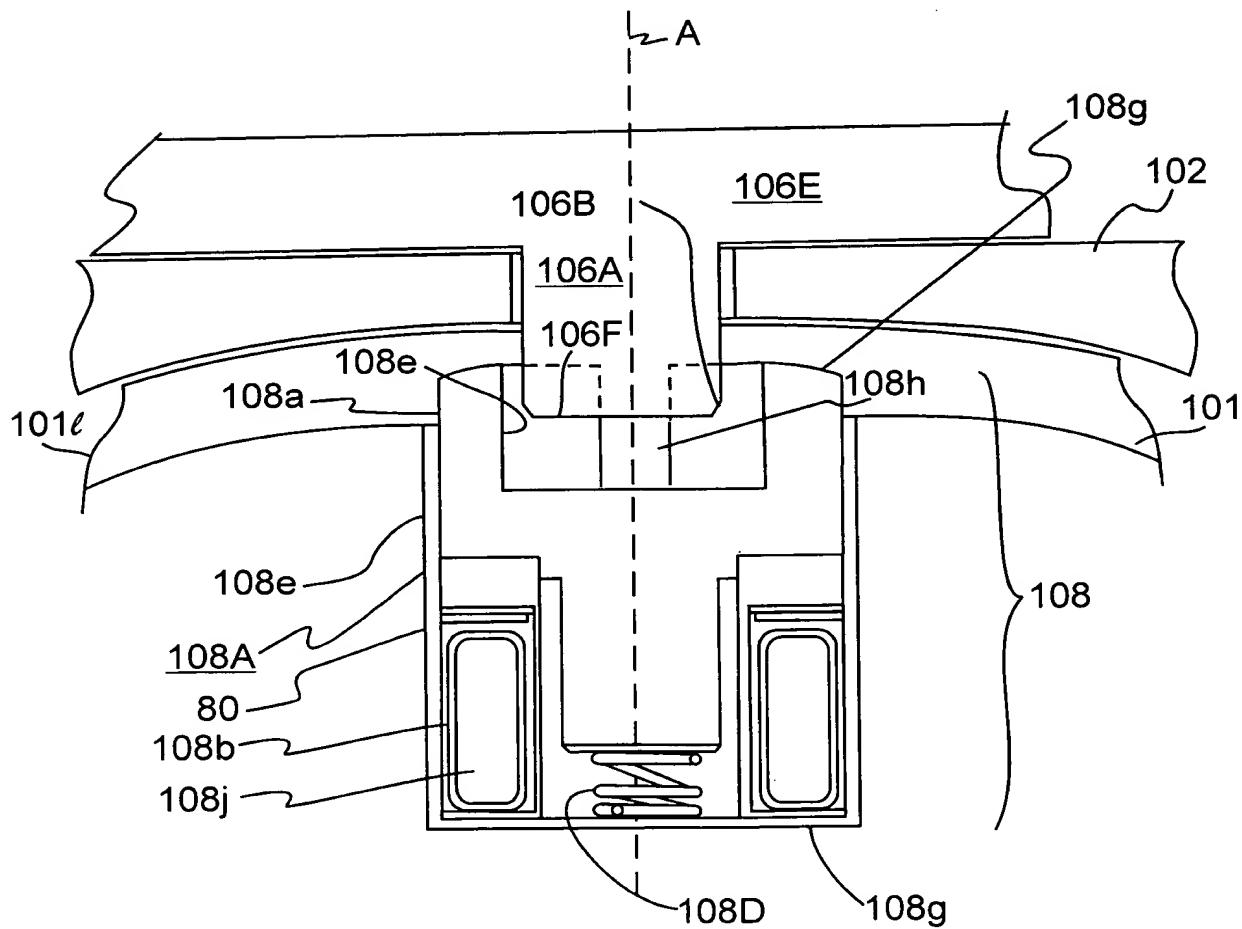
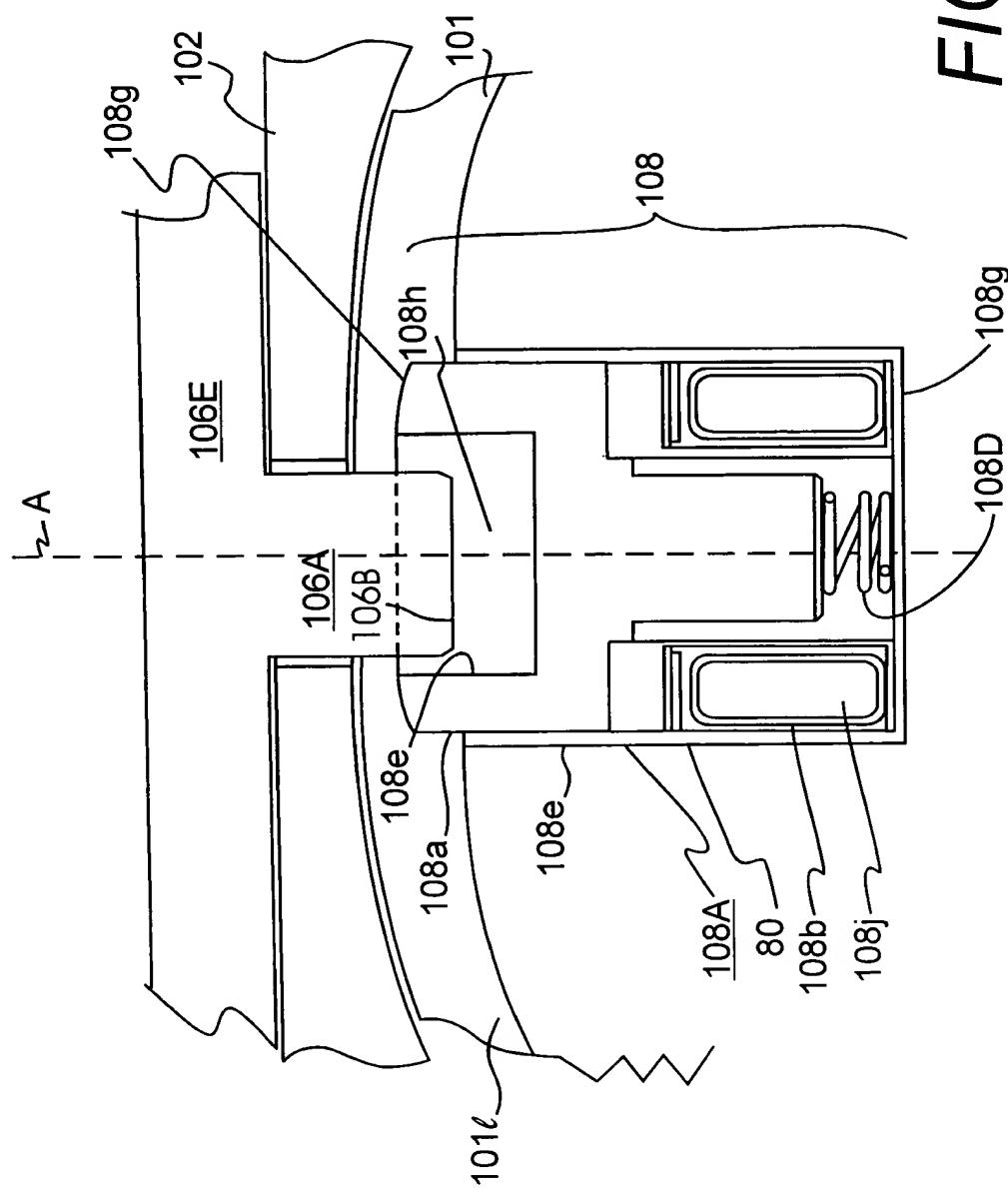
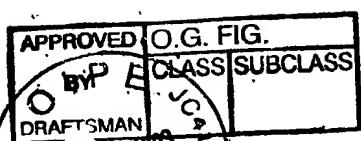


FIG. 5A



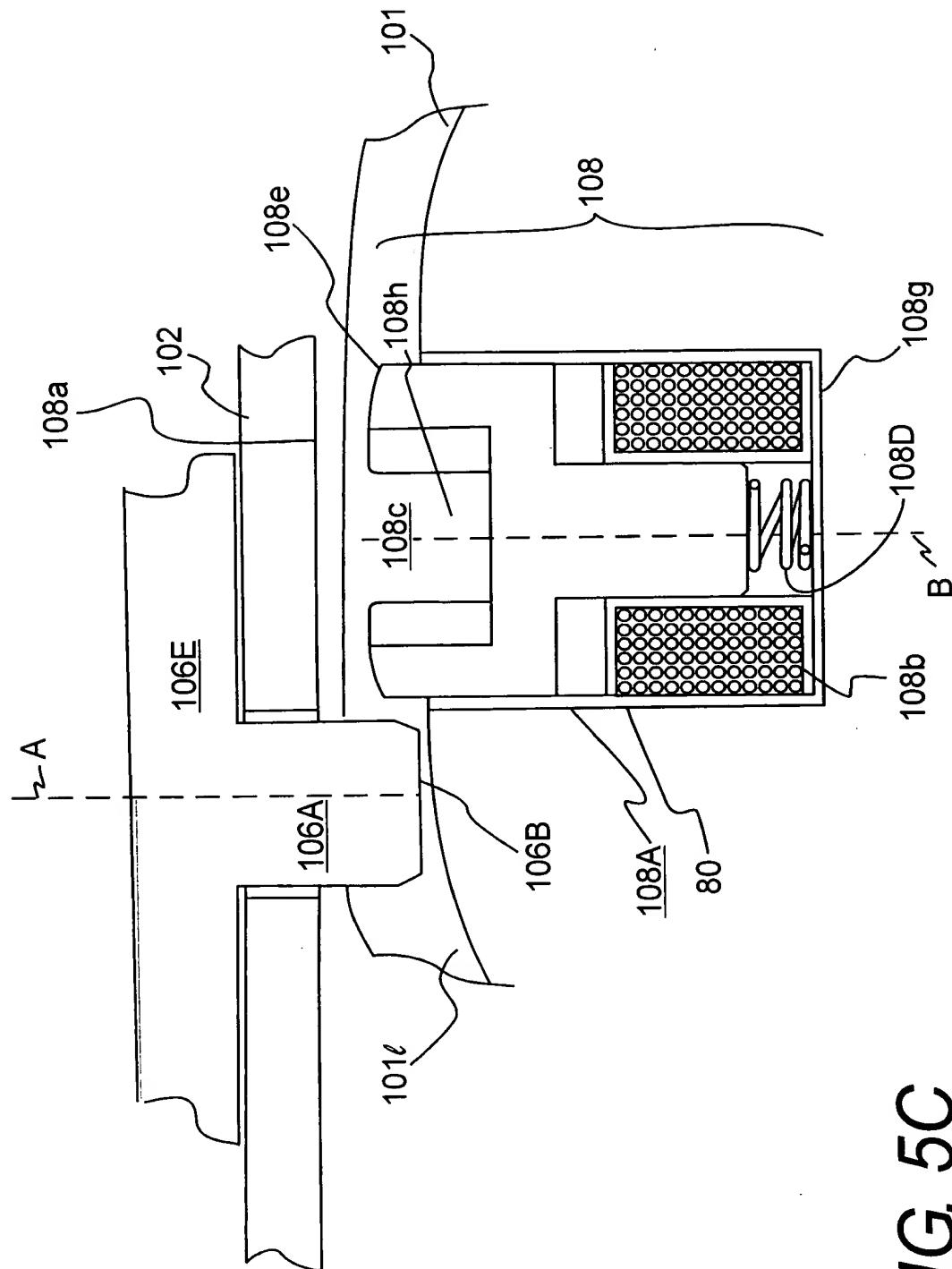
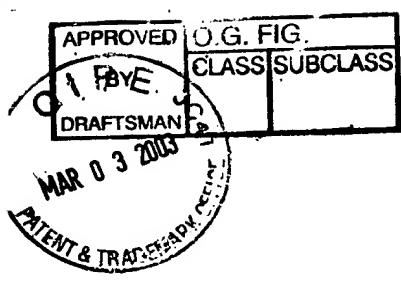


FIG. 5C

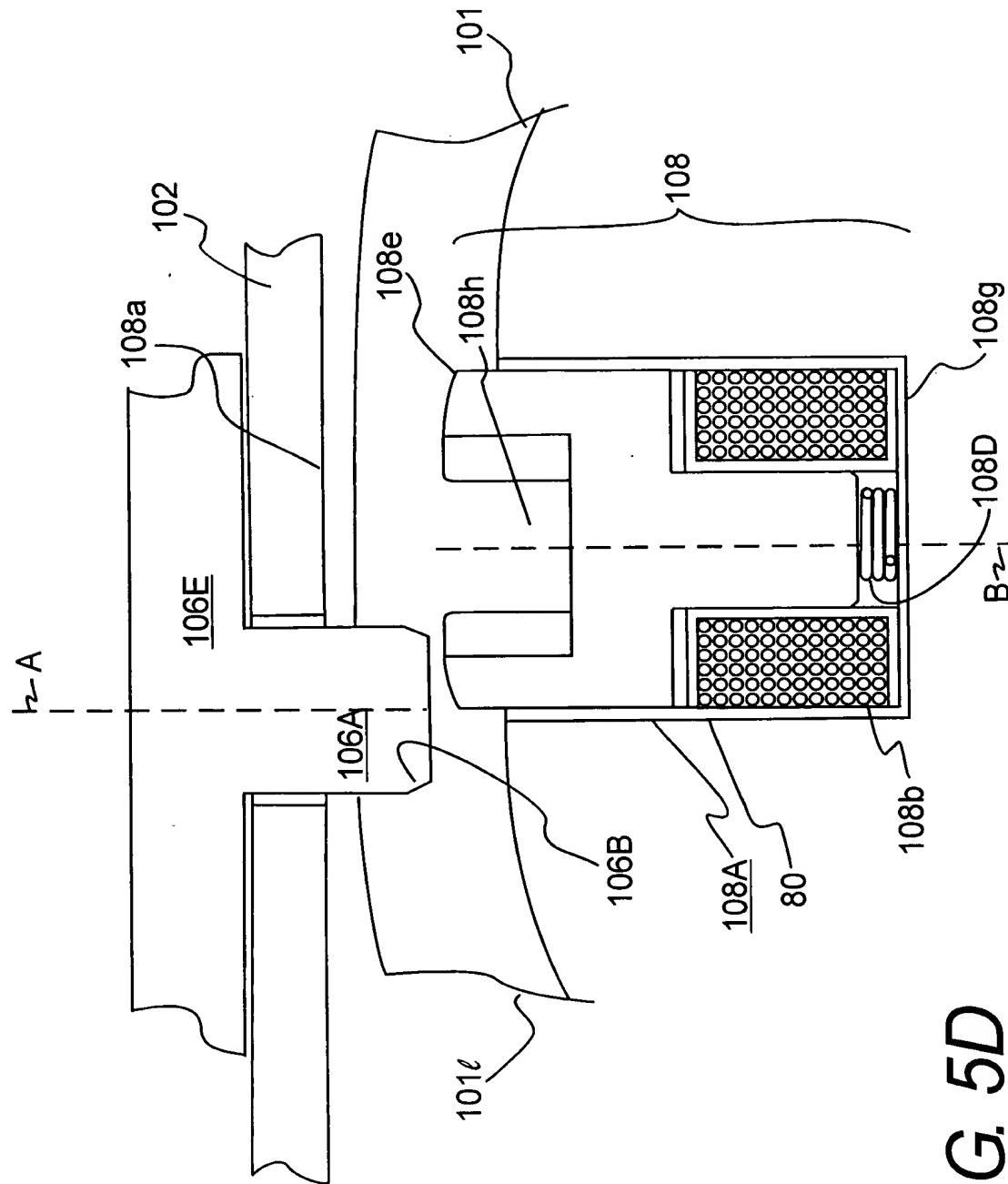
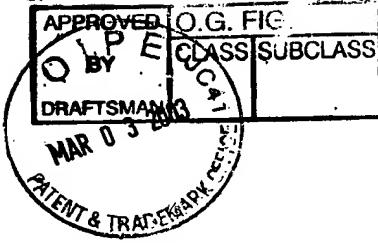


FIG. 5D

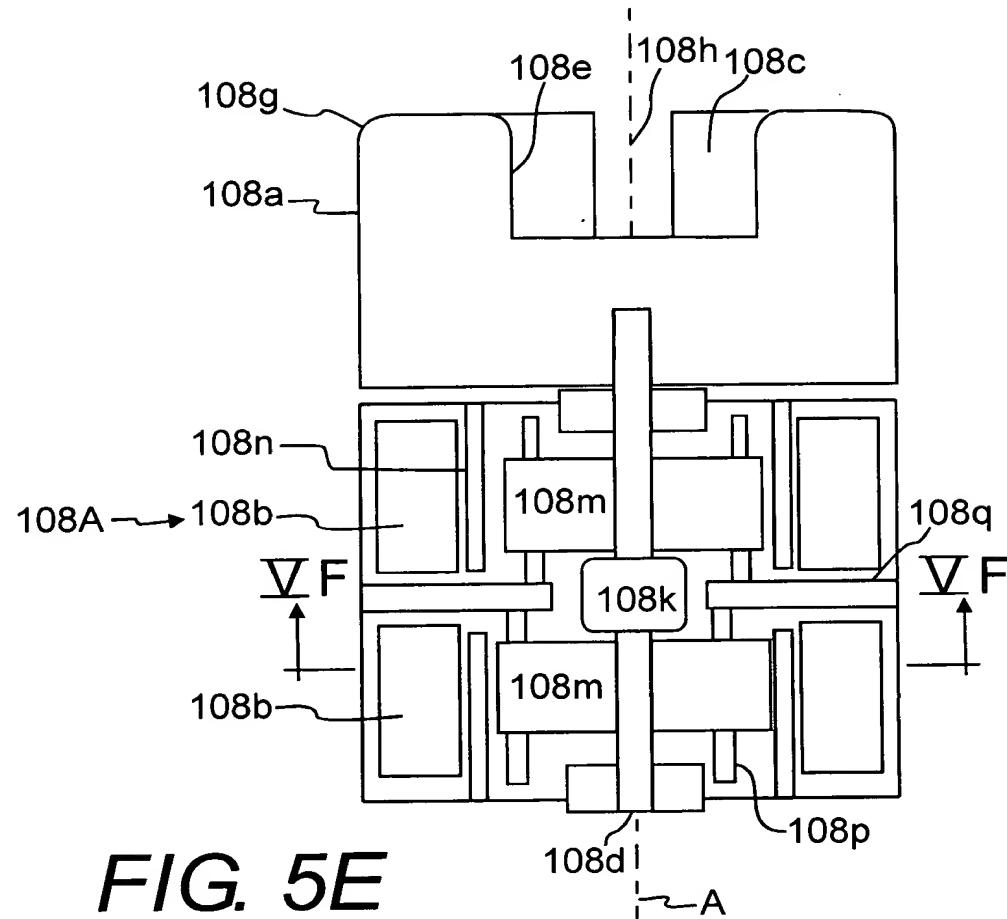
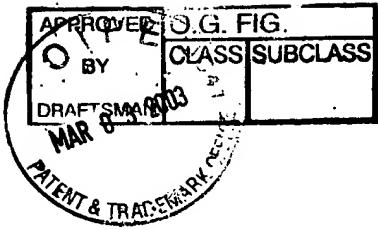


FIG. 5E

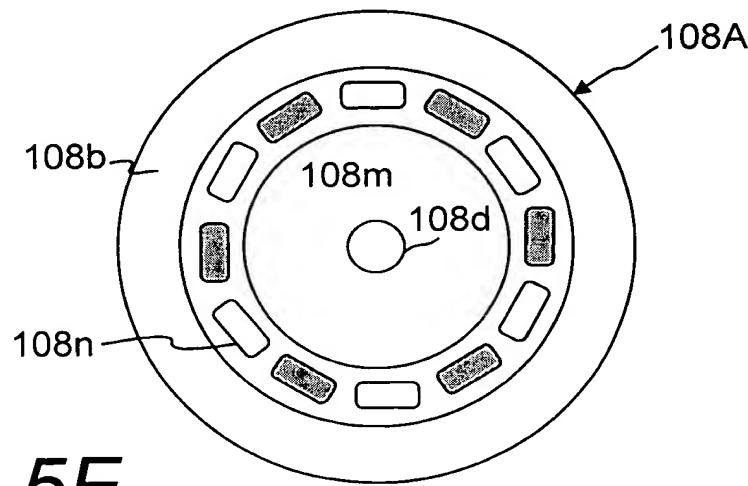


FIG. 5F

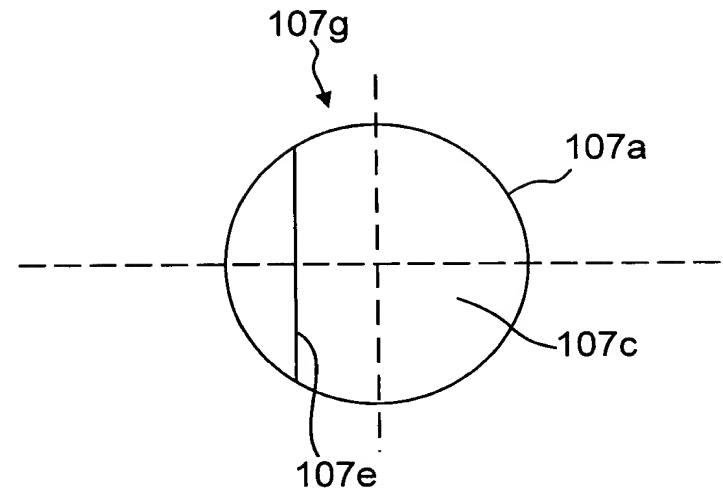
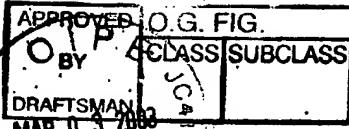


FIG. 6

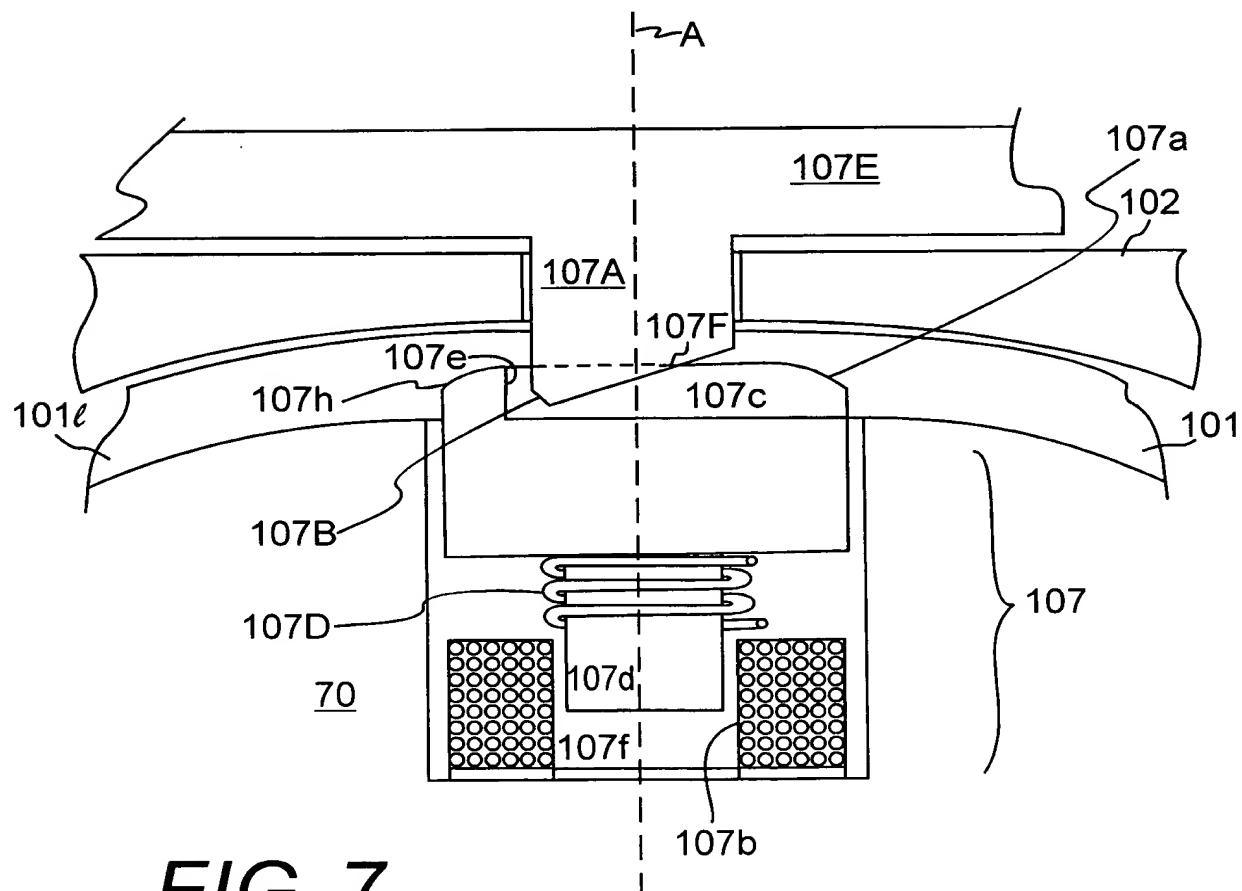


FIG. 7

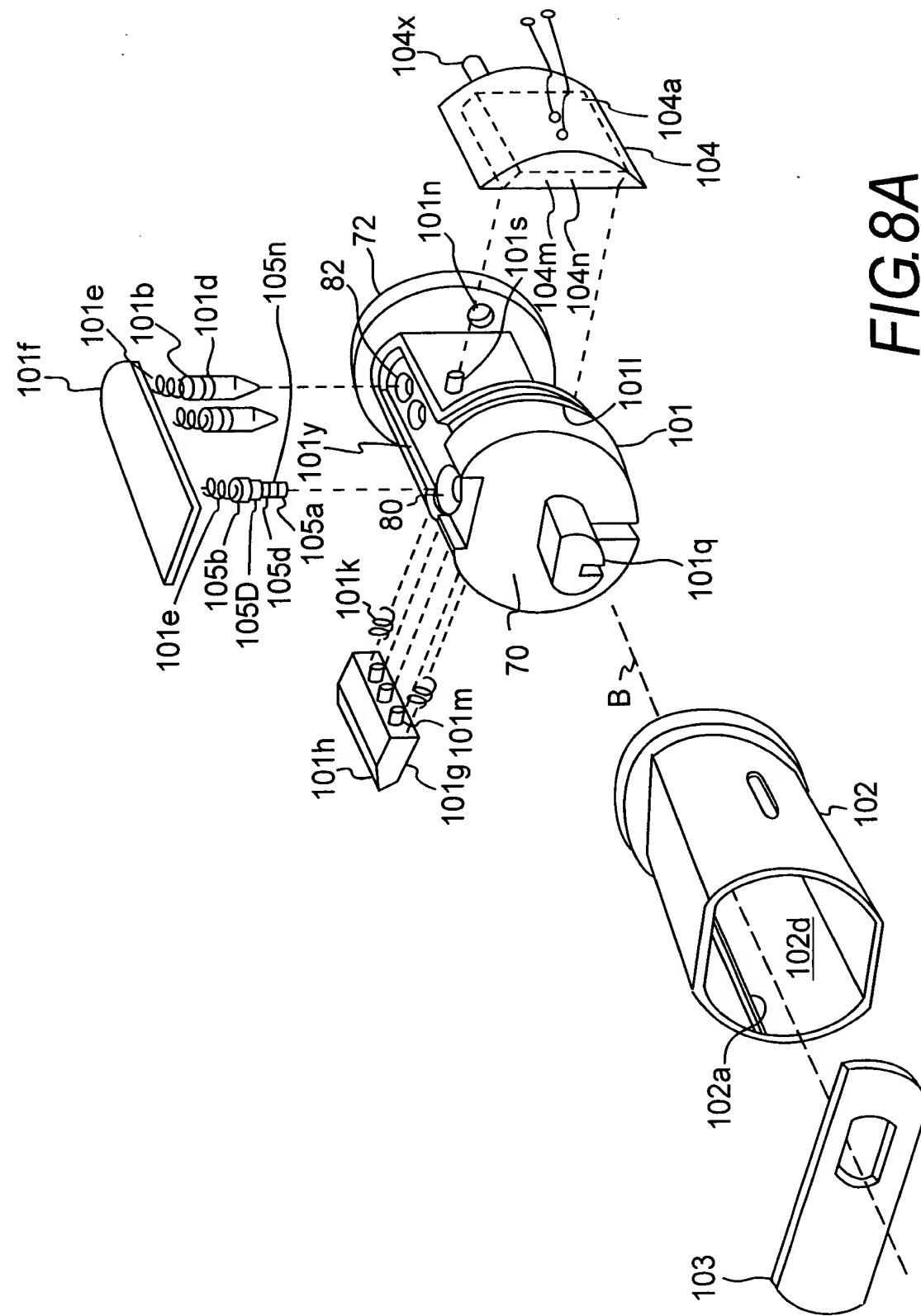
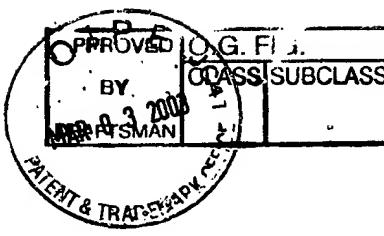
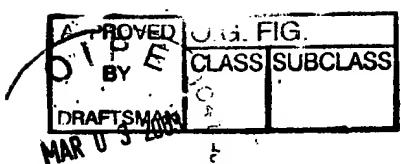


FIG. 8A



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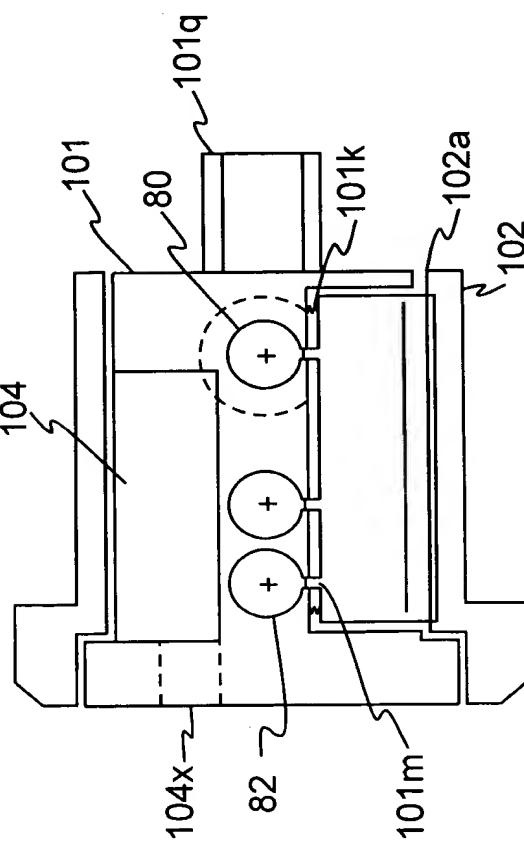


FIG. 8B

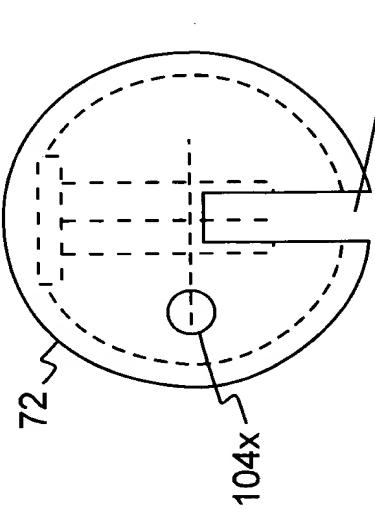


FIG. 8C

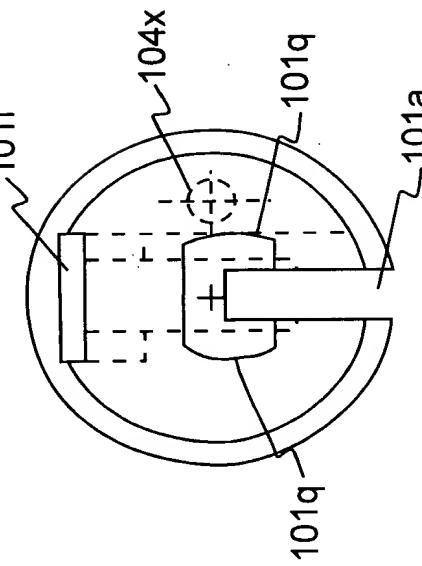


FIG. 8E

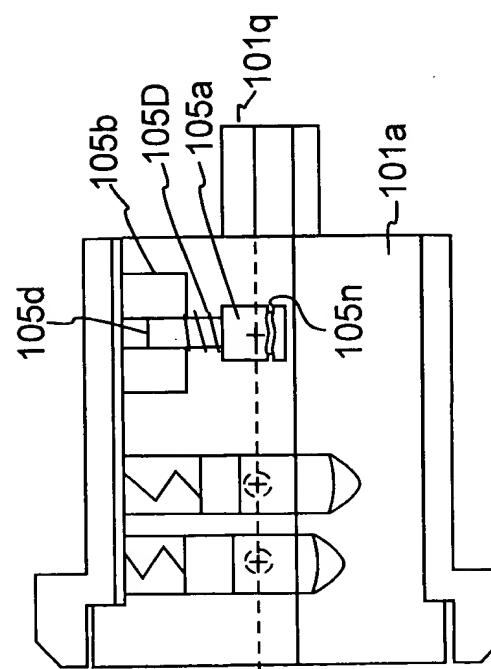


FIG. 8D

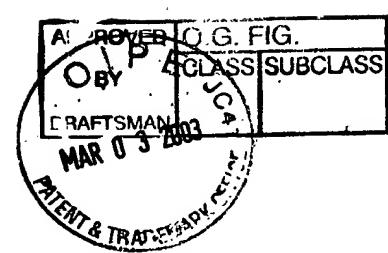


FIG. 8F

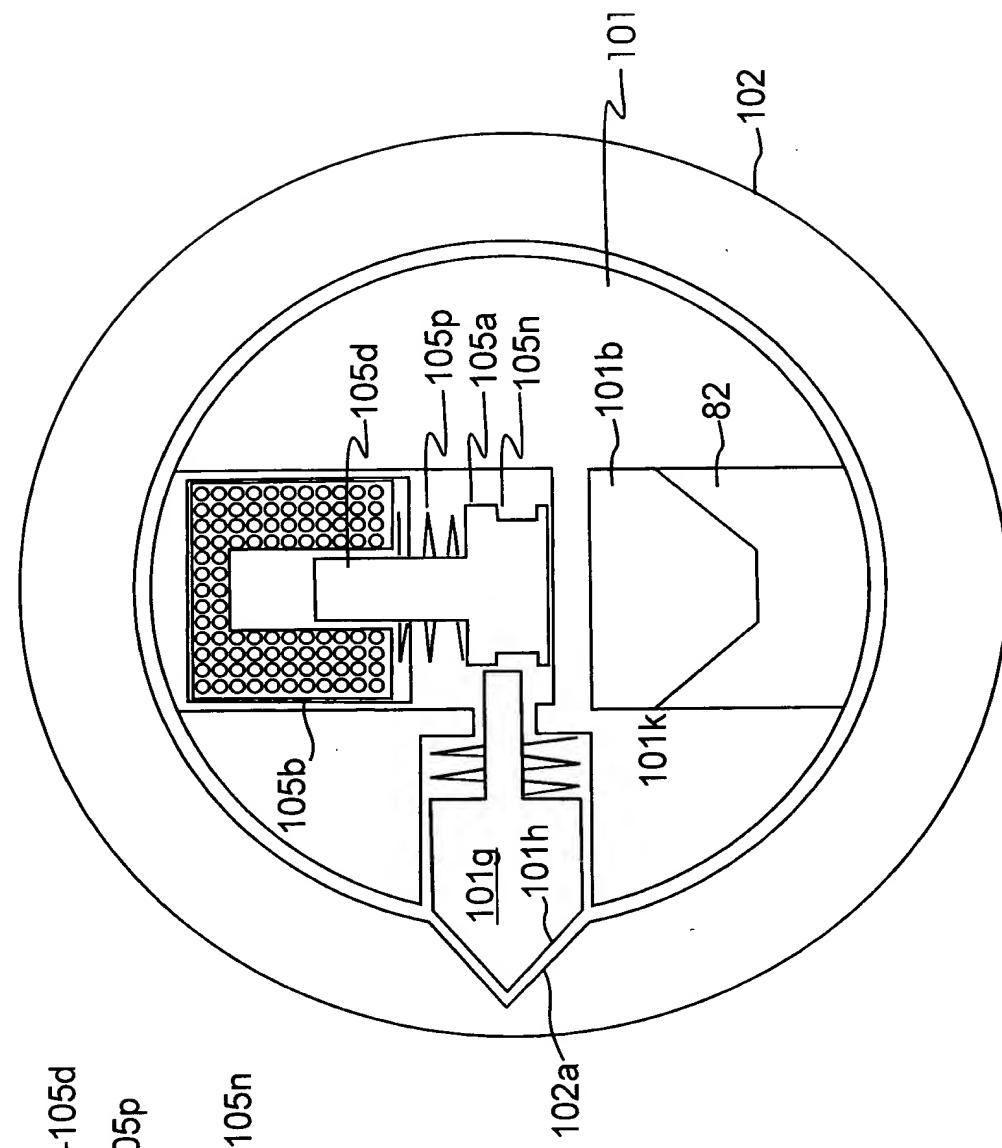
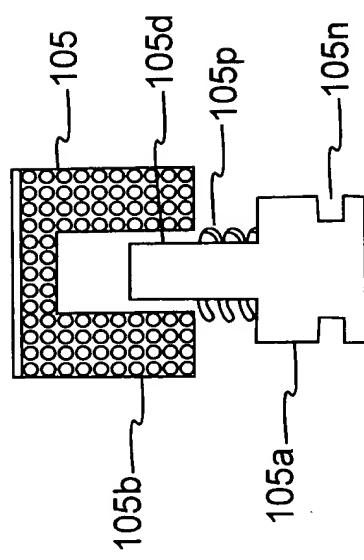
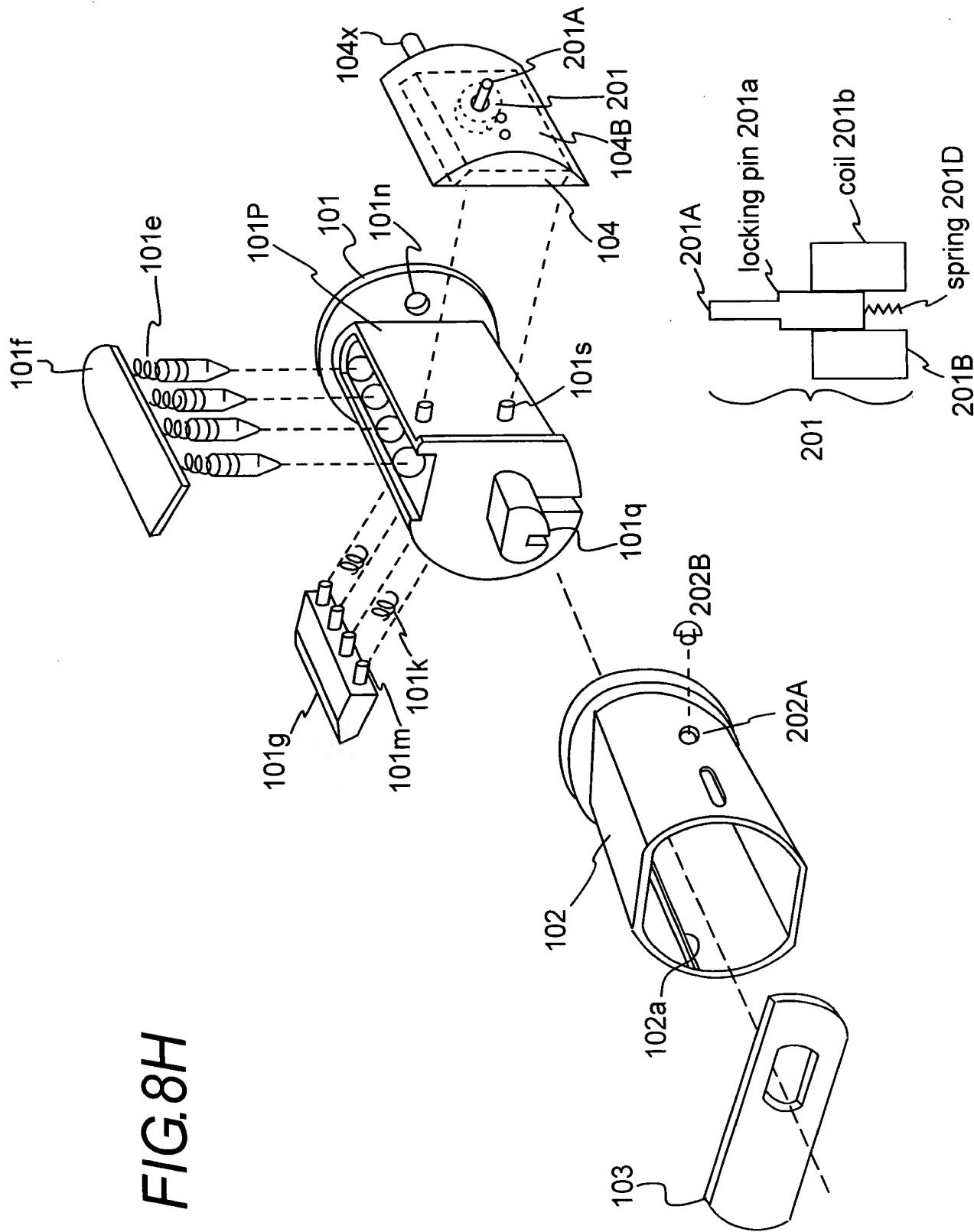
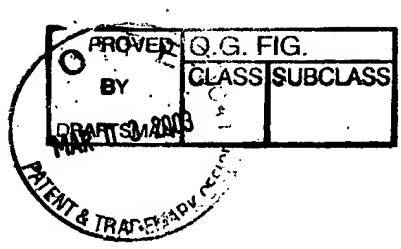


FIG. 8G



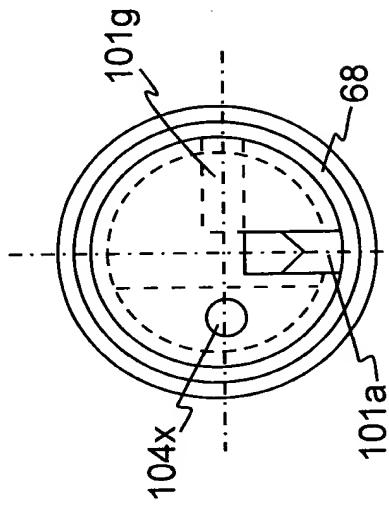
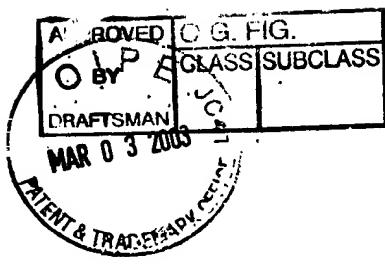


FIG. 10

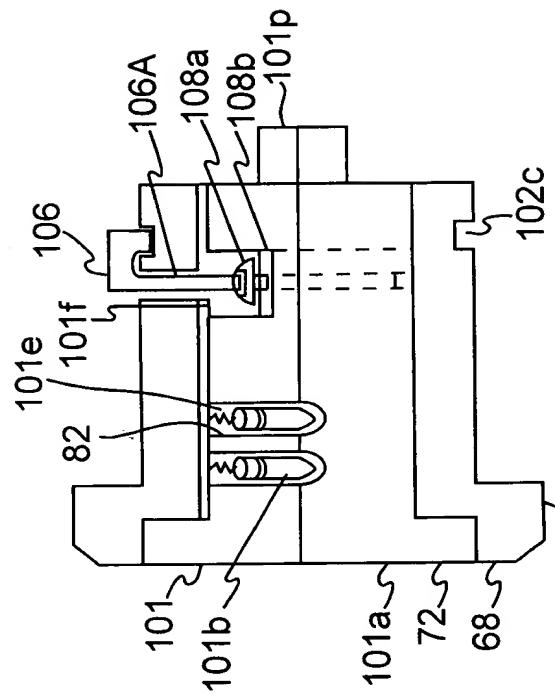


FIG. 11

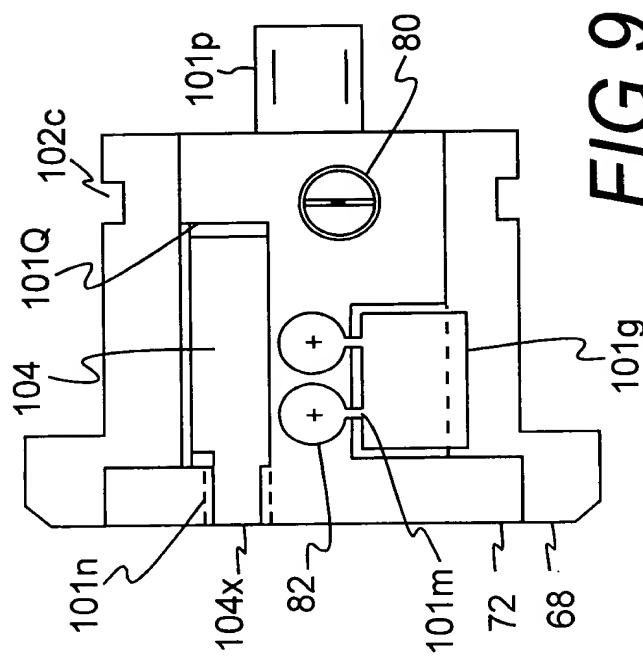


FIG. 9

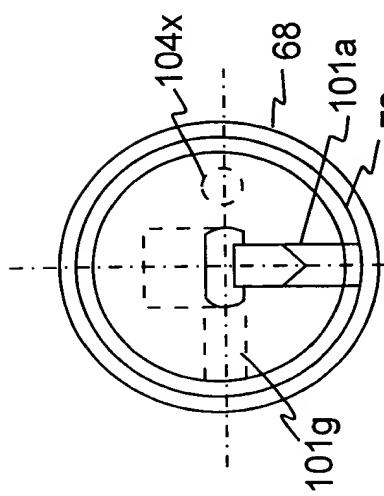


FIG. 12

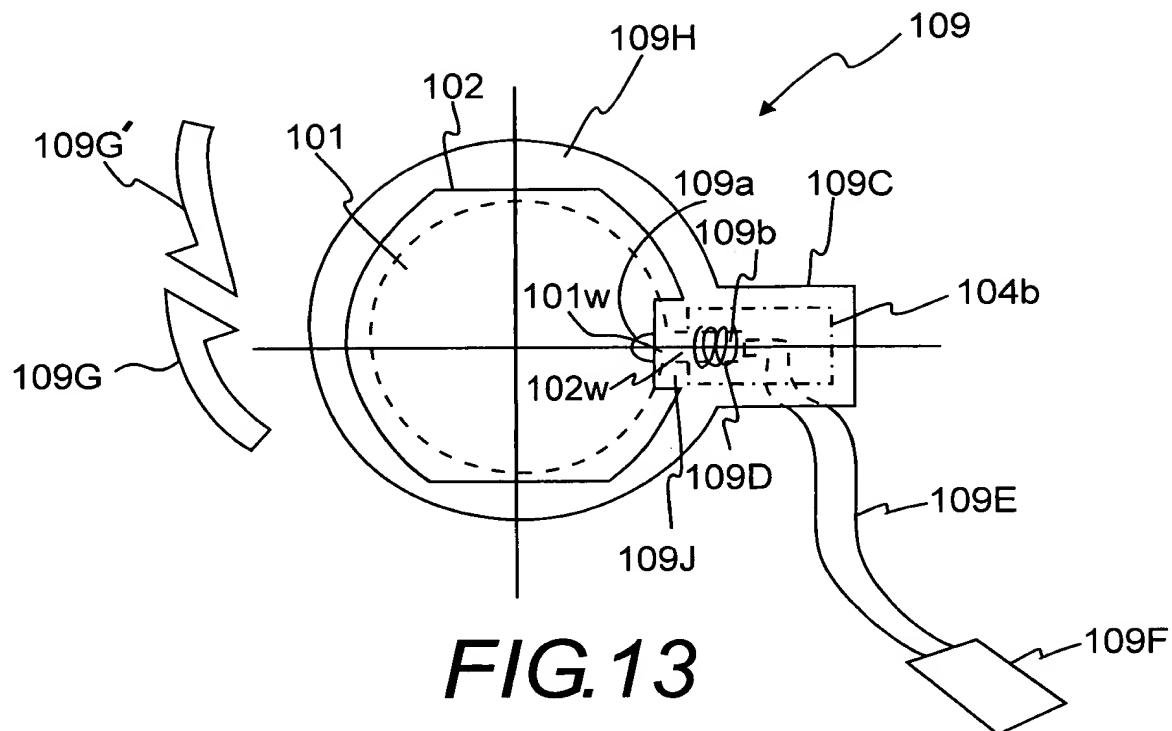
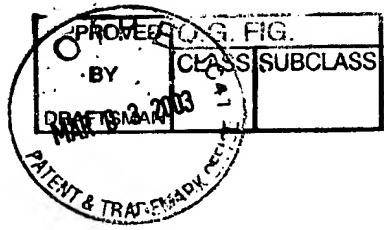


FIG. 13

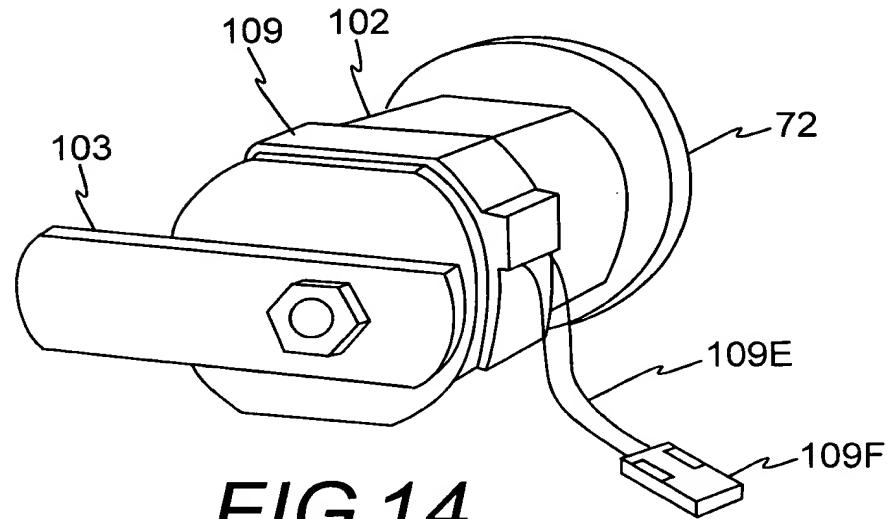
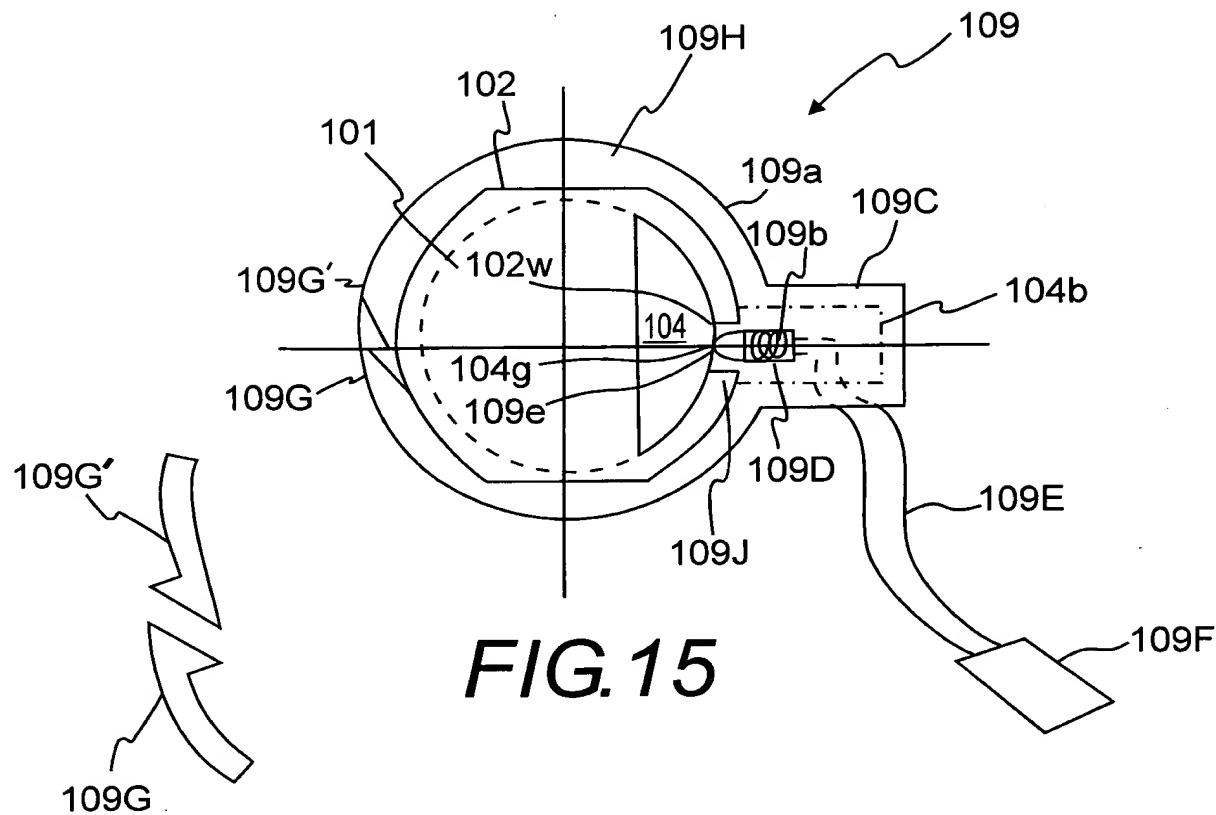
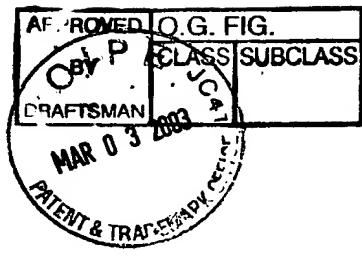


FIG. 14



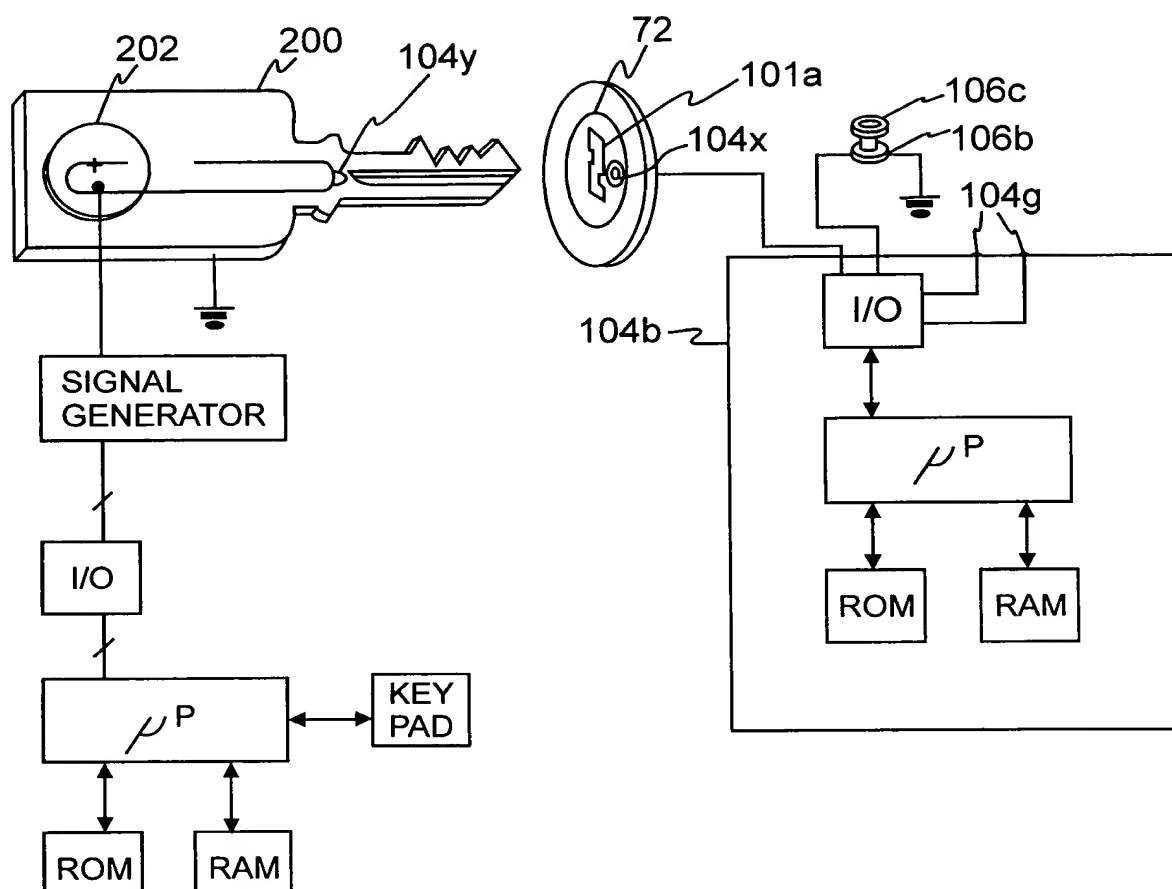
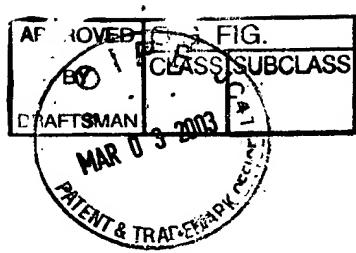


FIG. 18

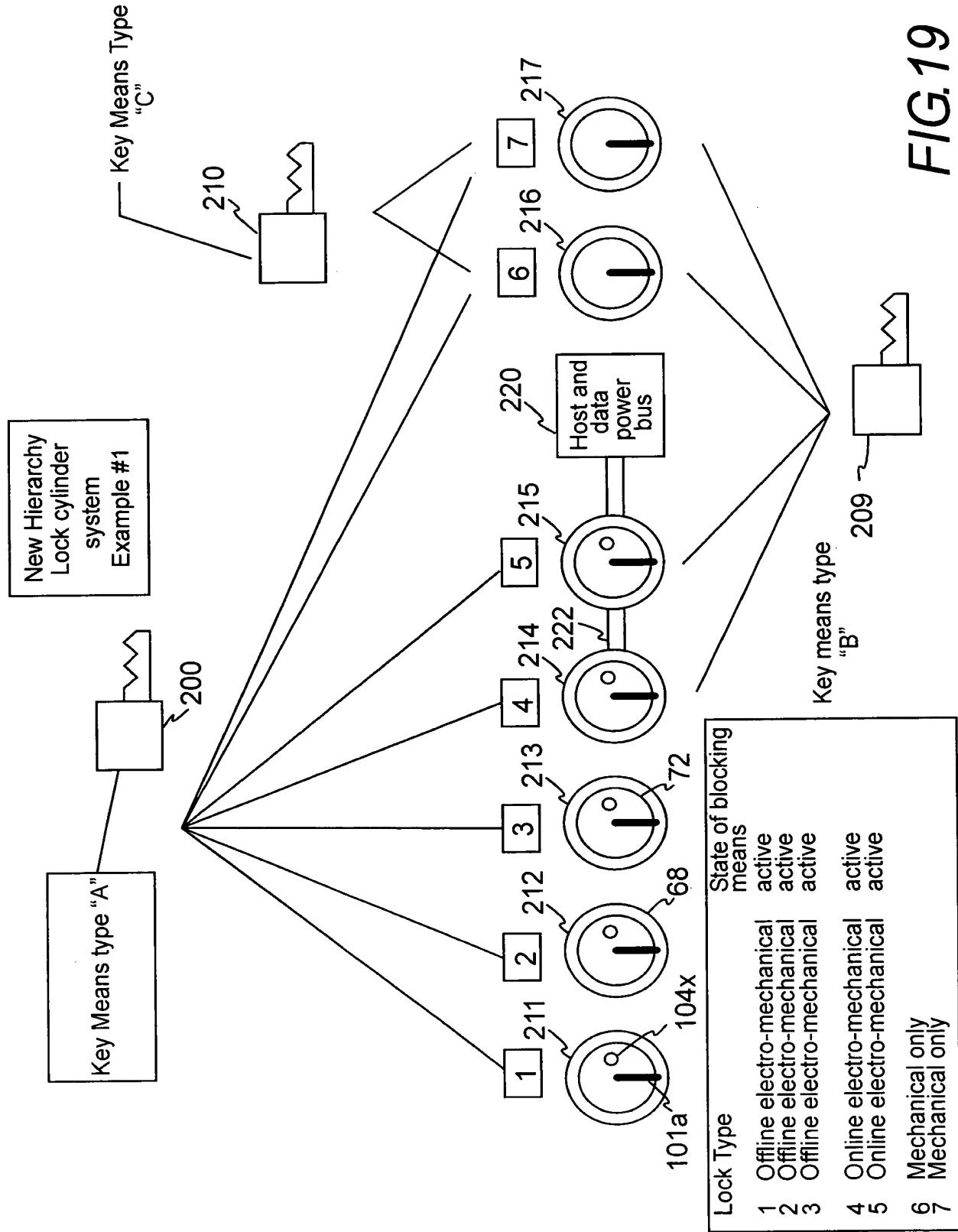
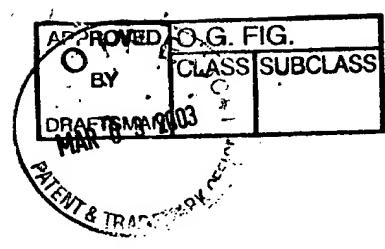
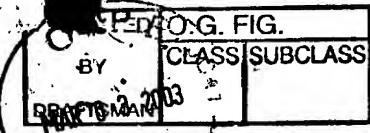


FIG. 19



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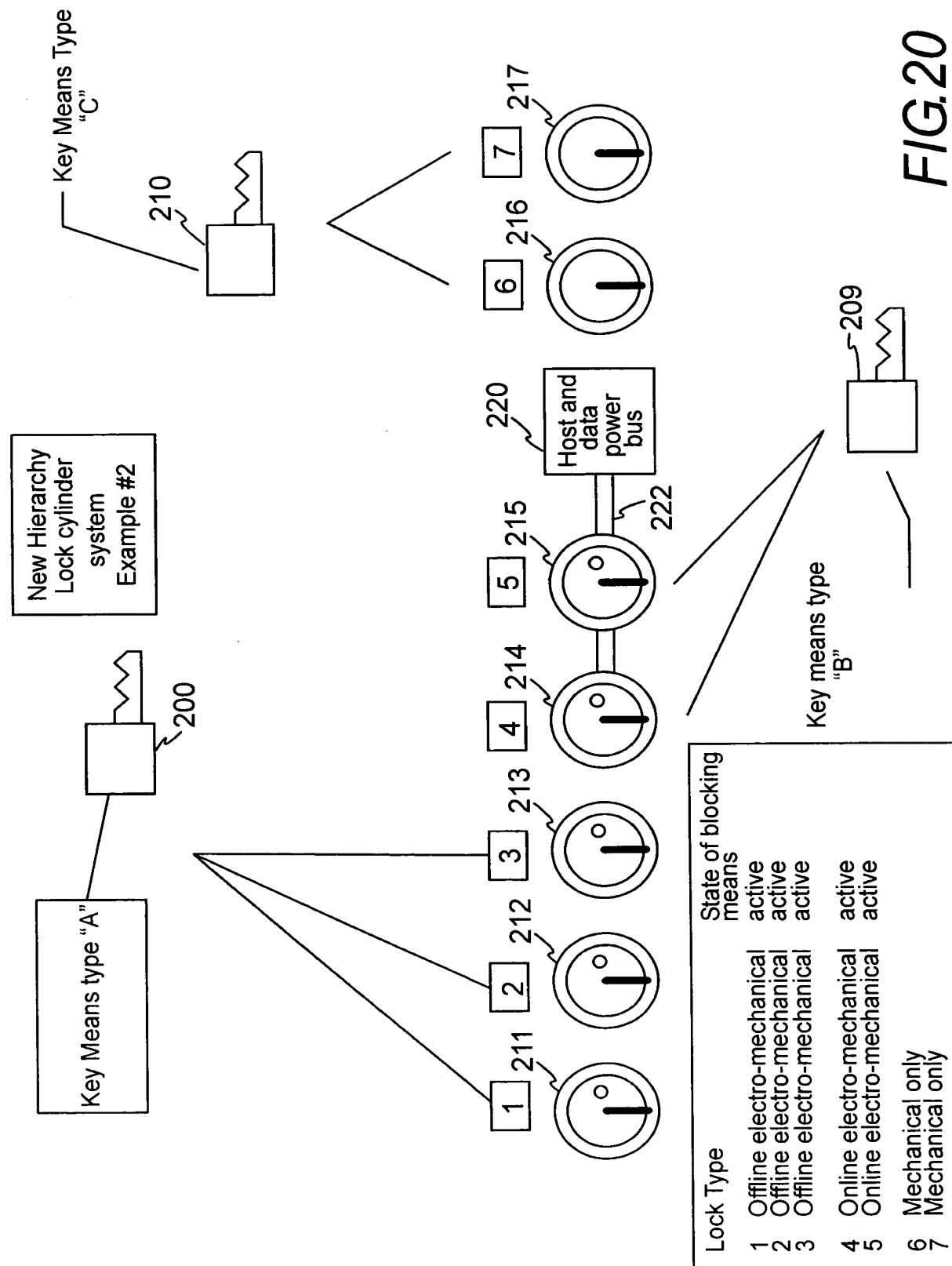
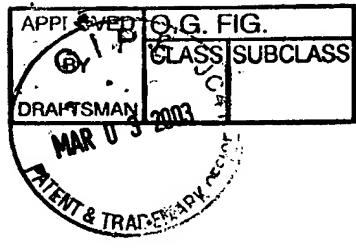
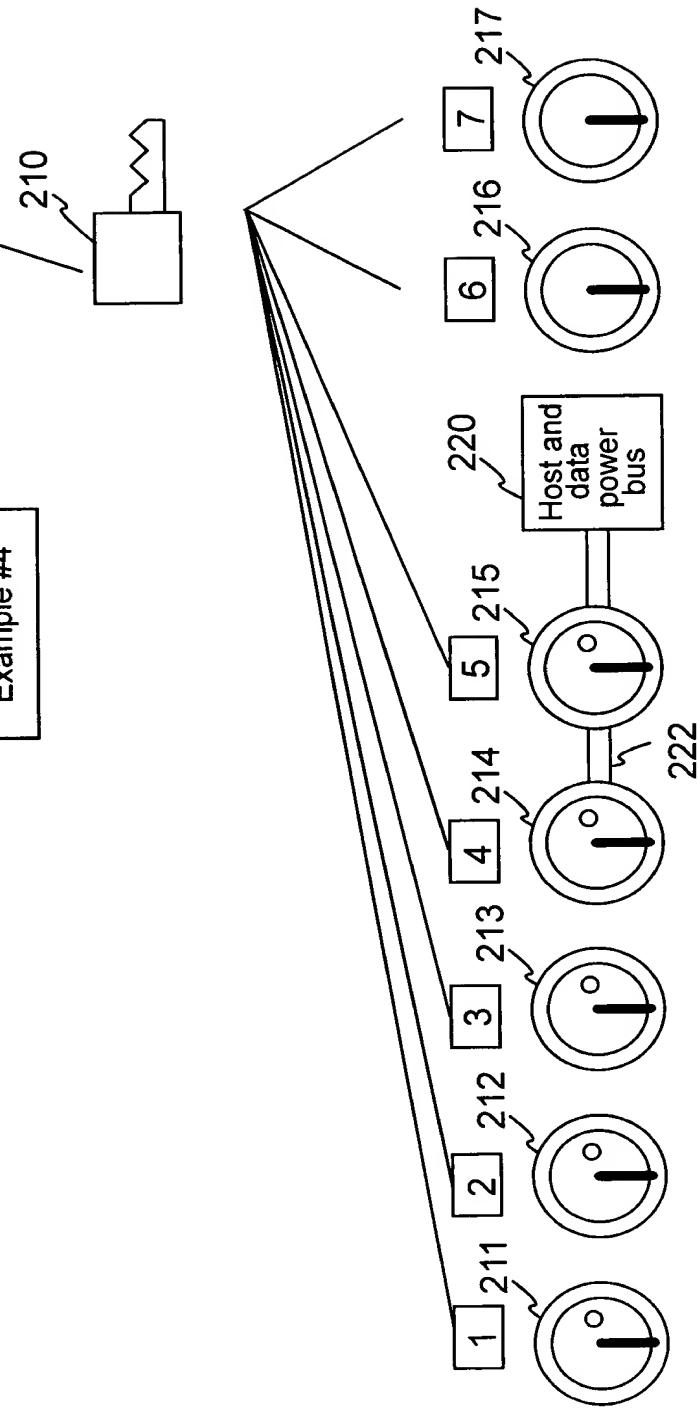


FIG. 20



New Hierarchy
Lock cylinder
system
Example #4

Key Means Type
"C"



Lock Type

- | | |
|---|----------------------------|
| 1 | Offline electro-mechanical |
| 2 | Offline electro-mechanical |
| 3 | Offline electro-mechanical |
| 4 | Online electro-mechanical |
| 5 | Online electro-mechanical |
| 6 | Mechanical only |
| 7 | Mechanical only |

State of blocking
means

- | |
|----------|
| bypassed |

FIG.21

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